Contents

EAGLESON, G. W., JENKS, B. G. *and* VAN OVERBEEKE, A. P. The pituitary adrenocorticotropes originate from neural ridge tissue in *Xenopus laevis* 1–14

SMITH, R. C. Protein synthesis and messenger RNA levels along the animal–vegetal axis during early *Xenopus* development 15–35

SWANSON, G. J. *and* LEWIS, J. Sensory nerve routes in chick wing buds deprived of motor innervation 37–52

GINSBURG, M. *and* EYAL-GILADI, H. Temporal and spatial aspects of the gradual migration of primordial germ cells from the epiblast into the germinal crescent in the avian embryo 53–71

HURMERINTA, K., KUUSELA, P. *and* THESLEFF, I. The cellular origin of fibronectin in the basement membrane zone of developing tooth 73–80

SANDERS, E. J. Changes in the transferrin requirement of cultured chick embryo mesoderm cells during early differentiation 81–93

COPP, A. J., ROBERTS, H. M. *and* POLANI, P. E. Chimaerism of primordial germ cells in the early postimplantation mouse embryo following microsurgical grafting of posterior primitive streak cells *in vitro* 95–115

FROST, S. K., EPP, L. G. *and* ROBINSON, S. J. The pigmentary system of developing axolotls. IV. An analysis of the axanthic phenotype 117–130

WEBB, M., HOWLETT, S. K. *and* MARO, B. Parthenogenesis and cytoskeletal organization in ageing mouse eggs 131–145

BUTLER, J., CAUWENBERGS, P. *and* COSMOS, E. Fate of brachial muscles of the chick embryo innervated by inappropriate nerves: structural, functional and histochemical analyses 147–168

FLEMING, T. P., PICKERING, S. J., QASIM, F. *and* MARO, B. The generation of cell surface polarity in mouse 8-cell blastomeres: the role of cortical microfilaments analysed using cytochalasin D 169–191

HEATH, J. K. *and* SHI, W.-K. Developmentally regulated expression of insulin-like growth factors by differentiated murine teratocarcinomas and extraembryonic mesoderm 193–212

LEVY, J. B., JOHNSON, M. H., GOODALL, H. *and* MARO, B. The timing of compaction: control of a major developmental transition in mouse early embryogenesis 213–237

WAREHAM, K. A. *and* WILLIAMS, E. D. Estimation of the primordial pool size of the mouse liver using a histochemically demonstrable X-linked enzyme in the adult female mouse 239–246

WIGMORE, P. Regeneration from half lower arms in the axolotl 247–260

VAN VORSTENBOSCH, C. J. A. H. V., VAN ROSSUM-KOK, C. M. J. E., COLENBRANDER, B. *and* WENSING, C. J. G. Some histochemical and ultrastructural observations on the early foetal pig testis 261–277

INDEX OF AUTHORS AND TITLES 279–280

SUBJECT INDEX 281–284